



DEPARTMENT OF THE NAVY
HEADQUARTERS UNITED STATES MARINE CORPS
WASHINGTON, DC 20380-0001

MCO 2040.12
C2CT
12 Jun 90


MARINE CORPS ORDER 2040.12

From: Commandant of the Marine Corps
To: Distribution List

Subj: MATERIEL FIELDING PLAN FOR THE TRANSPONDER COMPUTER,
TSEC/KIT-1() AND INTERROGATOR COMPUTER, TSEC/KIR-1()

Encl: (1) Materiel Fielding Plan for the Transponder
Computer, TSEC/KIT-1() and Interrogator Computer,
TSEC/KIR-1()

1. Purpose. To provide advance logistics information and instructions concerning the fielding and support of the Transponder Computer, TSEC/KIT-1(); the Interrogator Computer, TSEC/KIR-1() (here-in-after referred to as KIT-1() and KIR-1() respectively); and their associated ancillary devices/test equipment.
2. Information. The KIT-1() and KIR-1() allow selected Marine Corps organizations to have encrypted Identification, Friend or Foe (IFF) capability. Simply stated, IFF is an electronically transmitted challenge and password system used to determine if an unidentified aircraft is a friend or foe.
3. Action. All required actions are discussed in the enclosure.
4. Reserve Applicability. This Order is applicable to the Marine Corps Reserve.


J. R. DAILEY
By direction

DISTRIBUTION: PCN 10202712800

Copy to: 7000110 (55)
8145004, 005 (2)
7000041, 144/8145001 (1)

12 Jun 90

MATERIEL FIELDING PLAN FOR THE TRANSPONDER COMPUTER,
TSEC/KIT-1() AND INTERROGATOR COMPUTER, TSEC/KIR-1()

1. Introduction

a. Source of Requirement. The KIR-1A and KIT-1A have been in use in the Marine Corps for many years. Due to their age, repair parts are becoming unavailable and long lead times are frequently encountered to procure replacement parts. Additionally, there is an insufficient quantity of KIR-1A's and KIT-1A's available to fulfill the Marine Corps' needs. In order to fill this deficiency the KIR-1C and KIT-1C are being procured and fielded as a supplement to, not a replacement of, the KIR-1A and KIT-1A. The KIR-1C and KIT-1C are form, fit and function compatible with the KIR-1A and KIT-1A. They are fully interoperable, with the exception of the keying devices, which are discussed in paragraph 2d following.

b. Points of Contact

<u>TITLE</u>	<u>NAME</u>	<u>COMMAND</u>	<u>TELEPHONE</u>
Equipment Sponsor	Major P.J. Hindsley	HQMC (CCT)	AV 223-3138 Com1 (202) 693-3138
Project Officer	MGySgt L.W. Conklin	MCRDAC (C2CT)	AV 226-1120 Com1 (202) 696-1120
Program Manager	Mr. E.R. Wojciechowski	NSA (V354)	AV 235-0111 ext. 684-7013 Com1 (301) 684-7013
Acquisition Engineer	Mr. J. McGovern	SPAWAR (PMW 151-22F)	AV 332-7451 Com1 (703) 602-7451
Acquisition Logistician	Mr. E. Beier	SPAWAR (PMW 151-22J)	AV 332-7451 Com1 (703) 602-7451
Equipment Specialist	Mr. B. Takemoto	NESSEC (0231)	AV 292-0342 Com1 (202) 282-0342
Equipment & Resources Dept. Head	Mr. J. Miller	DCMS (T60)	AV 292-0695 Com1 (202) 282-0695
Inventory Manager	Ms. Nancy Shenk	SPCC (05311)	AV 430-5834 Com1 (717) 790-5834

c. Fielding Methodology

(1) General Fielding Plan. The plan for fielding of the KIR-1C and KIT-1C is dependent upon the Department of the Navy's

ENCLOSURE (1)

delivery schedule and quantity for the Marine Corps, which has not been finalized yet. Fielding will be horizontal on an as required basis to satisfy current deficiencies. The KIR-1A and KIT-1A are no longer being procured and there are none available for issue.

(2) Method of Fielding. The KIR-1C and KIT-1C will be force-fed by the Director, Communication Security Material System (DCMS), as directed by the Commandant of the Marine Corps (CMC) (CCT), to the appropriate organizations, as will the deficiencies of their associated ancillary devices/test equipment. Appendix A shows the total authorized allowances of KIR-1(), KIT-1(), and their associated maintenance kits per unit Table of Equipment (T/E).

d. Replaced Systems/Equipment. The KIR-1C and KIT-1C are being fielded to supplement the KIR-1A and KIT-1A and will not replace any currently fielded communication security equipment. The KIR-1C and KIT-1C are the preferred items.

2. System Description

a. Administrative Information

(1) TSEC/KIR-1A

(a) Nomenclature: Interrogator Computer,
TSEC/KIR-1A.

(b) TAMCN: A8018 VII G

(c) SAC: 3

(d) NSN: 5810-00-061-3388

(e) Unit of Issue: EA

(f) Unit Cost: \$2,067.00

(g) Support Cost (per KIR-1A annually): \$75.00

(h) Petroleum, Oil, Lubricants (POL): N/A

(i) Equipment Density: Normal

(j) Readiness Reporting: No

(k) ID Number: 07966A

(2) TSEC/KIT-1A

(a) Nomenclature: Transponder Computer,
TSEC/KIT-1A

(b) TAMCN: A8019 VII G

ENCLOSURE (1)

- (c) SAC: 3
- (d) NSN: 5810-00-061-3386
- (e) Unit of Issue: EA
- (f) Unit Cost: \$1,438.00
- (g) Support Cost: \$25.00
- (h) POL: N/A
- (i) Equipment Density: Normal
- (j) Readiness Reporting: No
- (k) ID Number: 07964A

(3) TSEC/KIR-1C

(a) Nomenclature: Interrogator Computer,
TSEC/KIR-1C

- (b) TAMCN: A8018 VII G
- (c) SAC: 3
- (d) NSN: 5810-01-27307819
- (e) Unit of Issue: EA
- (f) Unit Cost: \$1,353.00
- (g) Support Cost: \$10.00
- (h) POL: N/A
- (i) Equipment Density: Normal
- (j) Readiness Reporting: No
- (k) ID Number: 09429A

(4) TSEC/KIT-1C

(a) Nomenclature: Transponder Computer,
TSEC/KIT-1C

- (b) TAMCN: A8019 VII G
- (c) SAC: 3
- (d) NSN: 5810-01-273-7820

ENCLOSURE (1)

- (e) Unit of Issue: EA
- (f) Unit Cost: \$1,193.00
- (g) Support Cost: \$10.00
- (h) POL: N/A
- (i) Equipment Density: Normal
- (j) Readiness Reporting: No
- (k) ID Number: 09428A

b. Physical Characteristics. The dimensions for all KIR-1() and KIT-1() units are the same. The operation configuration dimensions are given below. The units do not come with transit cases, therefore the storage/shipping configuration dimensions are the same unless they are packaged. When packaged, the dimensions would be dependent on the packaging material size.

- (1) Length: 11 inches
- (2) Width: 6 inches
- (3) Height: 7 inches
- (4) Sq.Ft.: .5
- (5) Cu.Ft.: .3
- (6) Weight:
 - (a) KIR-1A: 12.6 lbs.
 - (b) KIT-1A: 10.8 lbs.
 - (c) KIR-1C & KIT-1C: 6.5 lbs. each
- (7) Stowage: .3 cu.ft. / .5 sq.ft.
- (8) Power Requirements:
 - (a) KIR-1A and KIT-1A: 103-126 VAC, 35 W max at 115 VAC; or 21-29 VDC, 30 W max at 28 VDC.
 - (b) KIR-1C and KIT-1C:
 - 1 103-126 VAC or 21-30 VDC, 10 W (35 W max).

ENCLOSURE (1)

12 Jun 90

2 Two BA-5567/U batteries in series are used in the KIR-1C and KIT-1C for cryptovvariable memory retention.

c. Operational Characteristics. When an unidentified aircraft is detected, the KIR-1() is used to generate a challenge. The IFF system transmits the challenge to the unidentified aircraft. A friendly aircraft will contain a KIT-1() with its keying variables set identically to those in the transmitting KIR-1(). The KIT-1() decrypts the interrogation, determines that it is valid and generates a reply. This reply is transmitted by the aircraft IFF system to the KIR-1(). The KIR-1() decrypts and evaluates the reply to determine "friend" or "foe." The "friend" or "foe" indication may be in any of several forms, depending upon the host system design.

d. Associated Systems/Equipment

(1) The KIR-1A and KIT-1A are keyed mechanically with the Code Key Changer KIK-18/TSEC, TAMCN A8039, NSN 5810-00-06103389 or the KIK-18A/TSEC, TAMCN A8039, NSN 5810-00-627-5954.

(2) The KIR-1C and KIT-1C are keyed electronically with a General Purpose Tape Reader KOI-18/TSEC, TAMCN A8024, NSN 5810-01-026-9620; Electronic Transfer Device KYK-13/TSEC, TAMCN A8025, NSN 5810-01-026-9618; or a (planned) Data Transfer Device AN/CYZ-10, TAMCN A8023, NSN 5810-01-239-6724.

(3) The KOI-18 and KYK-13 fill devices can be used with or without the fill cable, NSN 5810-01-066-7587, but should be utilized with the fill cable to prevent damage to the fill devices, the KIR-1() or the KIT-1().

(4) The KIR-1() and/or the KIT-1() are employed in the following tactical systems (the quantity of KIR and/or KIT per system is given in parentheses):

<u>TAMCN</u>	<u>NOMENCLATURE</u>	<u>NSN</u>
A1470	Radar Set AN/TPS-32 (1 KIR & KIT)	5840-00-220-5690
A1500	Radar Set AN/TPS-63 (1 KIR & KIT)	5840-01-020-5631
A1503	Radar Set AN/TPS-59 (1 KIR & KIT)	5840-01-141-4378
E0725	Interrogator Set AN/TPX-46 (1 KIR)	5895-00-423-1693
E0726	Interrogator Set Programmer (Stinger) AN/GSX-1 (1 KIR)	5895-01-032-4266
E0726	Interrogator Set Programmer (Stinger) AN/GSX-1A (1 KIR)	5895-01-119-1277
Q0900	Radar Set AN/TPS-73 (2 KIR)	5840-01-258-1765

12 Jun 90

3. Logistic Support

a. Maintenance Support

(1) Organizational Maintenance. Maintenance performed at the organizational level will be preventive in nature and will include the cleaning, inspecting, and operational testing of the KIR-1() and KIT-1() equipment. The batteries in the KIR-1C and KIT-1C are replaced at the organizational level. Defective KIR-1() and KIT-1() end items will be evacuated, as per CMS-4L, MCO P4790.2B, UM 4790-5, and TM 4700-15/1F, to the respective Support Cryptographic Site (SCS) for corrective maintenance.

(2) Intermediate Maintenance. the SCS's located in the Marine Wing Communication Squadron (MWCS), Marine Air Control Squadron (MACS), Marine Corps Tactical System Support Activity (MCTSSA) and the Marine Corps Communication-Electronics School (MCCES) are authorized to perform limited maintenance on the KIR-1() and KIT-1().

(a) KIR-1A and KIT-1A. Maintenance performed on the KIR-1A and KIT-1A at the intermediate level will be limited to fault isolation to the Printed Wiring Assembly (PWA) level, using the TSEC/ST-21 Special Purpose Test Equipment (SPTE), and replacement of defective PWA's and mechanical parts. Spare PWA's are available in the RIQ-1A-1T/TSEC and RIQ-1A-1R/TSEC PWA Spares Kit (here-in-after referred to as RIQ kits). End items requiring repair beyond the intermediate level will be evacuated to the supporting Cryptographic Repair Facility (CRF) per CMS-4L. PWA's requiring repair beyond the intermediate level will be requisitioned and evacuated per SPCCINST 5511.24C as described in paragraph 3d(2) of this Order.

(b) KIR-1C and KIT-1C. Intermediate level maintenance will be limited to verifying that the end item is defective using the ST-21 SPTE. If found defective evacuate the end item to the supporting CRF per CMS-4L. PWA Spares Maintenance Kits (RIQ's) will not be available for the KIR-1C or KIT-1C.

(3) Depot Maintenance. CRF's authorized to perform depot level maintenance are located at the Naval Electronic Systems Engineering Center, San Diego; and Naval Shipyards Norfolk and Pearl Harbor (Cryptographic Repair Facilities).

b. Contractor Support Requirements

(1) Depot Support. Depot level maintenance for the KIR-1C and KIT-1C will be accomplished by the developing contractor (Bendix Corp.) during Developmental Test.

(2) Interim Contractor Support (ICS). None.

ENCLOSURE (1)

12 Jun 90

c. Manpower, Personnel and Training

(1) Personnel Requirements. No additional personnel or manpower requirements are anticipated.

(a) Operator. No specific Military Occupational Specialty (MOS) has been designated for the KIR-1() or KIT-1() operator. Those personnel designated to operate/maintain the tactical systems listed in preceding paragraph 2d(4) will assume responsibility for operating the KIR-1() and KIT-1().

(b) Maintenance. Maintenance personnel with MOS 2881 (COMSEC Equipment Technician) located at the SCS's will perform intermediate maintenance on the KIR-1() and KIT-1(). Additionally, maintenance personnel with MOS's 5942, 5944 and 5945 (Aviation Radar Repairer) located in the MACS's who have successfully completed the Air Traffic Control Radar Beacon System, IFF, Mark XII System, System (AIMS) course (course # 24) on the KIR-1() and KIT-1() at MCCES, 29 Palms will perform intermediate maintenance on the KIR-1() and KIT-1().

(c) The annual operator and intermediate maintenance manpower impact is anticipated to be minimal due to the high Mean Time Between Failure (MTBF) of the KIR-1() and KIT-1() equipments.

(2) Training Requirements

(a) Operator Training

1 Formal Training. No specific MOS has been designated for the KIR-1() or KIT-1() operator. The KIR-1() and KIT-1() has application to the operator or maintenance MOS's associated with the tactical systems listed in paragraph 2d(4), preceding. Formal operator training will be limited to orientation and familiarization with the KIR-1() and KIT-1() at Ft. Bliss, TX, for MOS 7212 (LAAD Gunner) and MOS 7222 (Hawk Missile System Operator); at NAS Memphis, TN, for MOS 5953 (Air Traffic Control Radar Technician); and at MCCES 29 Palms, CA, for MOS's 5942 (Aviation Radar Repairer AN/TPS-59), 5944 (Aviation Radar Repairer AN/TPS-63) and 5945 (Aviation Radar Repairer AN/TPS-32).

2 Unit Training. Operator training at the unit level will consist of on the job training using the individual training standards and the operator's manuals available to each unit receiving the KIR-1() and KIT-1(). Each command will be responsible for maintaining an adequate level of qualified operator personnel.

(b) Maintenance Training

1 Formal Training. Intermediate maintenance training for the KIR-1A and KIT-1A is currently being taught at the U.S. Army Signal School, Ft. Gordon, GA, for MOS 2881 and

ENCLOSURE (1)

12 Jun 90

at MCCES, 29 Palms, CA, for MOS's 5942, 5944, and 5945. Marines qualified to repair the KIR-1A and KIT-1A, as evidenced by proper certification on their DD Form 1435, are considered qualified to repair (test only) the KIR-1C and KIT-1C.

2 Unit Training. On the job training will supplement and reinforce the formal training received by maintenance personnel. Each command will be responsible for maintaining the proficiency and certification of their maintenance personnel.

(3) Training Support Items. There are no new training support items required.

d. Supply Support

(1) Consumable repair parts will be obtained from the supply system per MCO P4790.2B, UM 4790-5, UM 4400.124, and MCO P4400.150C.

(2) The limited maintenance RIQ kits for the KIR-1A and KIT-1A are currently held at the SCS's in the MWCS's, MACS's, MCTSSA, and MCCES. Replacement PWA's will be obtained from the Ships Parts Control Center (SPCC), Mechanicsburg, PA, per SPCCINST 5511.24C as described below:

(a) The SCS will requisition the replacement PWA with a Military Standard Requisitioning and Issue Procedures (MILSTRIP) message directed to SPCC (Document Identifier Code (N35)). The MILSTRIP requisition must contain an indication that the defective PWA is being returned on an even exchange basis (use advice code 5G) or the PWA is being returned on an even exchange basis after receipt, and the replacement PWA has been installed (use advice code 5S) and cite the appropriate O&MMC fund code. If a defective PWA is not available for exchange, authorization for issue without turn-in must be obtained from the DCMS Washington, DC. The approved document must be cited on the applicable requisition in lieu of the "5G/5S" advice code.

(b) Upon receipt of the requisitioned PWA, sign Block 15 of SPCC Form 5511/28 indicating receipt of the PWA and forward the completed original form to Commanding Officer, SPCC, (Code 05313), Mechanicsburg, PA 17055 and the completed copy to the applicable Naval Supply Center (NSC) originating the shipment.

(c) Instructions for returning the defective PWA are as follows:

1 Prepare three copies of SPCC Form 5511/28. Use the document number of the original requisition that was used to request the new replacement and also insert a "T" (indicating a turn-in item) immediately after the serial number of the document number.

ENCLOSURE (1)

12 Jun 90

2 Prepare a DD Form 1348-1 turn-in document and place a "T" in card column 44.

3 Place the original and a copy of SPCC Form 5511/28 and the DD Form 1348-1 within the inner wrapping of the defective PWA being returned. Forward one copy of SPCC Form 5511/28 to SPCC (Code 05313).

4 Forward the defective PWA, using the same modes of transportation given in paragraph 3i(5) of this Order, to the nearest NSC at Norfolk (Naval Supply Center (Code 900), Norfolk, VA 23512-5000) or San Diego (Naval Supply Center (Code 302.4), 937 North Harbor Drive, San Diego, CA, 92132). These PWA's are Controlled Cryptographic Items (CCI). They are packaged, handled, stored, and transported in the same manner as their end item, as explained in paragraph 3i of this Order, except that an SF-153 is not required.

(d) Organizations can obtain SPCC Form 5511/28 by letter or message request from SPCC (Code 05313), P.O. Box 2020, Mechanicsburg, PA 17055. MILSTRIP requisitions are not required.

e. Support Equipment

(1) Special Tools. There are no special tools required at the organizational or intermediate maintenance levels to maintain the KIR-1() or KIT-1().

(2) Common Tools

(a) Organizational Maintenance. None.

(b) Intermediate Maintenance

<u>TAMCN</u>	<u>Nomenclature</u>
H7920	TK, Electronic Maintenance
	MK-2569/P

(3) Special Purpose Test Equipment

(a) Organizational Maintenance. None.

(b) Intermediate Maintenance

<u>TAMCN</u>	<u>Nomenclature</u>
A8092	TSEC/ST-21

(c) Depot Maintenance (Navy)

<u>TAMCN</u>	<u>Nomenclature</u>
N/A	TSEC/ST-20

ENCLOSURE (1)

(4) General Purpose Test Equipment

(a) Organizational Maintenance. None.

(b) Intermediate Maintenance

<u>TAMCN</u>	<u>Nomenclature</u>
A1195	Oscilloscope
H2336	Multimeter, Hand-held Digital

(5) Test Program Sets. None.

(6) Other Support Equipment

(a) Organizational Maintenance. None.

(b) Intermediate Maintenance

<u>TAMCN</u>	<u>Nomenclature</u>
A8018	KIR-1() (use for testing with ST-21)
A8019	KIT-1() (use for testing with ST-21)
None	RIQ-1A-1R PWA Spares Kit
None	RIQ-1A-1T PWA Spares Kit
	(Appropriate key fill device)
A8024	KQI-18 General Purpose Tape Reader
A8025	KYK-13 Electronic Transfer Device
A8039	KIK-18 or KIK-18A Code Key Changer
A8023	AN/CYZ-10 Data Transfer Device

f. Technical Publications

<u>TECH PUB NUMBER</u>	<u>PUB TITLE</u>	<u>PCN</u>
TM 11-5810-284-12	Computer Systems	
	KIR-1A/KIT-1A	35158553800
TM 11-5810-242-12P	COMSEC Equip KI-1A	35158506500
TM 11-5810-242-34P	COMSEC Equip KI-1A	35158506600
TM 11-5810-389-13&P	Computer Systems	
	KIR-1C/KIT-1C	TBD(1)
KAM-223C/TSEC(2)	Maint Manual KIR-1A	
	(confidential)	N/A
KAM-224C/TSEC(2)	Maint Manual KIT-1A	
	(confidential)	N/A
KAM-225E/TSEC	Limited Maint Manual	
	KIR-1A/KIT-1A	
	(confidential)	N/A
KAM-330/TSEC	Maint Manual KOI-18,	
	KYK-13, KYX-15	
	(confidential)	N/A

(1) The PCN is expected to be published September 1990.
POC for this element is MGySgt L. Conklin, MCRDAC
(C2CT), AV 226-1120/1.

(2) Distribution is limited to CRF's.

ENCLOSURE (1)

12 Jun 90

SAM-22B/TSEC	Maint Manual ST-21/ST-22 N/A (confidential)	
KAM-527/TSEC(3)	Limited Maint Manual	N/A
	KI-1C	
KAM-528/TSEC(3)	Maint Manual KI-1C	N/A

(a) The KAM's and SAM are obtained through the DCMS per CMS-4L. Requisition technical manuals per MCO P4400.84C.

(b) TM 11-5810-284-12, TM 11-5810-242-12P and TM 11-5810-242-34P have been available for years and all organizations should already have them on hand. Organizations should requisition any deficiencies of these TM's.

(c) TM 11-5810-389-13&P will be force-fed when it becomes available. Its distribution is shown below.

T/E NO.	UNIT TITLE	TM Qty
7442	MCTSSA	2
7720	MCCES	3
A8633	MACS 3d MAW	4
A8682	Hqs Btry, LAAM Bn	1
A8684	FiringBtry, LAAM Bn	2
B8633	MACS 1st MEB	5
N8612	MWCS 4th MAW	2
N8618	H&S Btry LAAM En (R)	1
N8619	MSL Btry LAAM Bn (R)	2
N8631	MACS 1st MAW	5
N8632	MACS 2d MAW	5
N8633	MACS 3d MAW	5
N8634	MACS 4th MAW	5
N8642	DET, MATCS, MAW	1
N8652	DET, MWCS, MAW	2
N8682	Hqs Btry, LAAM Bn	1
N8684	FiringBtry, LAAM Bn	2
N8694	FiringBtry, LAAD Bn	3
N8697	FiringBtry, LAAD Bn (R)	3

g. Computer Resources Support. The National Security Agency (NSA) is responsible for the lifecycle software configuration management and support.

h. Facilities. No new facilities are required.

(3) Currently under development for future publication. The anticipated availability is 2dQtr FY91.

ENCLOSURE (1)

i. Packaging, Handling, Storage, and Transportation

(1) Classification and Accountability

(a) Classification. Unkeyed KIR-1() and KIT-1() units and RIQ Kits have been designated as Controlled Cryptographic Items (CCI). CCI's are unclassified but remain under the control of the DCMS for central accounting purposes. Keyed KIR-1() and KIT-1() units assume a classification level equal to that of the keying material and will be safeguarded per the provisions of CSP-1A.

(b) Accountability. The KIR-1() and KIT-1() units and RIQ Kits are assigned accountability legend code AL-5 in the Communications Security Material System (CMS). They are accounted for to the DCMS by serial number per CMS-4L. The ST-21 is assigned accountability legend code AL-2 in the CMS and is accounted for to the DCMS by quantity per CMS-4L. Additionally, owning units must report on hand quantities of the KIR-1(), KIT-1() and the ST-21 in the Marine Corps supply system per MCO P4400.150C and MCO P4400.82F.

(2) Packaging. Packaging of the KIR-1() and KIT-1() units will be in accordance with MIL-E-17555, level "A" packaging.

(3) Handling. A security clearance is not required for viewing of or access to unkeyed KIR-1() and KIT-1() units. However, access shall be restricted to U.S. citizens whose duties require such access. Access may also be granted to permanently admitted resident aliens, who are either U.S. Government civilian employees, active duty military or reserve members of the U.S. Armed Forces, whose duties require access.

(4) Storage. Unkeyed KIR-1() and KIT-1() units must be stored in a manner that affords a level of protection at least equal to that normally provided to high value or sensitive material. Classified keying materials, classified supporting documents and keyed KIR-1() and KIT-1() units must be stored per the procedures outlined in CSP-1A.

(5) Transportation. A completed SF-153 (COMSEC Material Report) must accompany each item during any transfer of KIR-1() or KIT-1() equipment. CCI material will be conspicuously marked with large letters "CCI" on the outside container and shipping documents must contain instructions for delivery of the material to the COMSEC custodian. Inside containers will be marked for shipment with the statement "Deliver unopened to COMSEC custodian." Shipment of CCI material must always be made with a DD-1149 (Requisition and Invoice/Shipping Document) attached to the outside container. Each DD-1149 will be conspicuously marked "Request ship via Department of Defense Constant Surveillance Service only." The KIR-1() and KIT-1() units will be zeroized prior to shipment and will be shipped separately from its keying material. CCI's

ENCLOSURE (1)

12 Jun 90

must be transported by any means that provides continuous accountability and protection against losses and unauthorized access while in transit. These criteria are satisfied by any of the following:

(a) Authorized department, service, or agency courier (officially designated command couriers).

(b) Authorized contractor/company, U.S. citizen, courier.

(c) U.S. registered mail, provided it does not at any time pass out of U.S. control and does not pass through a foreign postal system or any foreign inspector.

(d) Commercial carriers, providing Department of Defense Constant Surveillance Service (DoD CSS), in the continental United States (CONUS) only. Information concerning DoD CSS may be obtained from the supporting Traffic Management Office (TMO).

(e) U.S. military or military-contractor air service (e.g., MAC, LOGAIR, QUICKTRANS), provided the requirements for DoD CSS are observed.

(f) U.S. Diplomatic Courier Service. Provide only emergency or last resort CCI transport within CONUS.

(g) Defense Courier Service. Authorized only for shipments outside of CONUS and when no other means of secure transportation is available.

(h) Foreign nationals who are employed by the U.S. Government in foreign countries where there is a significant U.S. military presence (two or more military bases where U.S. military personnel are stationed) may transport CCI's provided there is a signature record that provides continuous accountability for custody of the shipment from pick-up to ultimate destination; and,

1 There is a constant U.S. presence (e.g., a U.S. person [U.S. citizen or permanently admitted resident aliens, who are either U.S. Government civilian employees, active duty military or reserve members of the U.S. Armed Forces] accompanies a foreign driver in couriating the material); or,

2 The material is contained in a closed vehicle or shipping container (e.g., conex, dromedary) which is locked, and which has a shipping seal that will prevent undetected access to the enclosed material.

j. Warranties. None.

ENCLOSURE (1)

12 Jun 90

4. Actions Required To Place Equipment In Service

a. Gaining Command

(1) Actions. Upon receipt the KIR-1C and KIT-1C units should be placed on administrative deadline until the CG Fleet Marine Force (FMF) Pacific, CG FMF Atlantic, or 4th Division/Wing Team Commanders have given authorization to place the equipment in service, as per MCO P4400.79.

(2) Material Defects Reporting. Report defective KIR-1C and KIT-1C units per CMS-4L and MCO 4855.10A.

(3) Retrograde of Existing Equipment. N/A.

(4) Obtaining Supporting Consumables. Obtain supporting consumables per MCO P4790.2B, UM 4790-5, UM 4400.124 and MCO P4400.150C.

(5) Security Required for the System. Security is discussed in paragraph 3i of this Order and in CMS-4L and CSP-1A.

(6) Controlled Item Reporting. The KIR-1() and KIT-1() units and RIQ Kits are assigned accountability legend code AL-5 in the Communications Security Material System (CMS). They are accounted for to the DCMS by serial number per CMS-4L. The ST-21 is assigned accountability legend code AL-2 in the CMS and is accounted for to the DCMS by quantity per CMS-4L. Additionally, owning units must report on hand quantities of the KIR-1(), KIT-1() and the ST-21 in the Marine Corps supply system per MCO P4400.150C and MCO P4400.82F.

b. MCLB, Albany. None.

ENCLOSURE (1)

12 Jun 90

LIST OF ALLOWANCES AND DELIVERY SCHEDULE

1. KIR-1() (TAMCN A8018)

T/E NO.	UNIT TITLE	UNIT ALLOWANCE	ACTUAL ALLOWANCE	PLANNED FY 91; QTR			
				1	2	3	4
7442	MCTSSA	4	4				X
7720	MCCES	16	16		X		
A8633	MACS 3d MAW	7	7		X		
A8682	Hqs Btry, LAAM Bn	1	1			X	
A8684	FiringBtry, LAAM Bn	3	9			X	
B8633	MACS 1st MEB	9	9			X	
N8612	MWCS 4th MAW	2	2				X
N8618	H&S Btry LAAM Bn (R)	1	1				X
N8619	MSL Btry LAAM Bn (R)	3	9				X
N8631	MACS 1st MAW	9	9			X	
N8632	MACS 2d MAW	9	18			X	
N8633	MACS 3d MAW	9	9		X		
N8634	MACS 4th MAW	9	18				X
N8642	DET, MATCS, MAW	3	45		X	X	X
N8652	DET, MWCS, MAW	2	12		X	X	
N8682	Hqs Btry, LAAM Bn	1	2			X	
N8684	FiringBtry, LAAM Bn	3	12			X	
N8694	FiringBtry, LAAD Bn	16	96		X	X	
N8697	FiringBtry, LAAD Bn (R)	16	64				X

2. KIT-1() (TAMCN A8019)

T/E NO.	UNIT TITLE	UNIT ALLOWANCE	ACTUAL ALLOWANCE	PLANNED FY 90; QTR			
				1	2	3	4
7442	MCTSSA	4	4			X	
7720	MCCES	16	16			X	
A8633	MACS 3d MAW	7	7			X	
B8633	MACS 1st MEB	9	9			X	
N8612	MWCS 4th MAW	2	2			X	
N8631	MACS 1st MAW	9	9			X	
N8632	MACS 2d MAW	9	18			X	
N8633	MACS 3d MAW	9	9			X	
N8634	MACS 4th MAW	9	18			X	
N8652	DET. MWCS, MAW	2	12			X	

3. RIO-1A-1R and RIO-1A-1T

a. The RIQ kits were fielded when the KIR-1A and KIT-1A were fielded. T/E authorized allowances were not established at that time. This Material Fielding Plan establishes those allowances.

Appendix A to
ENCLOSURE (1)

12 Jun 90

b. There are a limited number of RIQ kits available from the DCMS. The RIQ kits are no longer procured and when current stocks are depleted they will no longer be available.

c. Allowances are as follows:

<u>T/E NO.</u>	<u>UNIT TITLE</u>	<u>RIQ-1A-1R ALLOWANCE</u>	<u>RIQ-1A-1T ALLOWANCE</u>
7442	MCTSSA	1	1
7720	MCCES	9	9
A8633	MACS 3d MAW	1	1
B8633	MACS 1st MEB	1	1
N8612	MWCS 4th MAW	3	1
N8631	MACS 1st MAW	1	1
N8632	MACS 2d MAW	1	1
N8633	MACS 3d MAW	1	1
N8634	MACS 4th MAW	1	1
N8652	DET. MWCS, MAW	4	1

d. The contents of the RIQ-1A-1R are as follows:

<u>NAME</u>	<u>PART NUMBER</u>	<u>QTY</u>	<u>NSN</u>
E-BNU	ON088400	1	5999-00-011-8328
E-BOA	ON088480	1	5999-00-011-8327
E-BOB	ON088410	1	5999-00-011-8330
E-BOC	ON088420	1	5999-00-011-8331
E-BOD or	ON088430	1	5999-00-011-8332
E-BOD/1	ON089435		5999-00-761-4700
E-BOE	ON088440	1	5999-00-011-8333
E-BOF	ON088450	1	5999-00-011-8334
E-BOG	ON088470	1	5810-00-931-0628
E-BOH or	ON088460	1	5999-00-011-8336
E-BOH/1	ON089425		5999-00-761-4707
E-CDN/1	ON089454	1	5810-00-563-2172
E-CDP	ON089250	1	5999-00-761-4701
Z-ACA/2 or	ON089617	1	6130-01-016-9598
Z-ACA/3	not avail.	1	not avail.
Tool Extrctr	ON089108	1	5999-00-938-5460

e. The contents of the RIQ-1A-1T are as follows:

<u>NAME</u>	<u>PART NUMBER</u>	<u>QTY</u>	<u>NSN</u>
E-BNT	ON088540	1	5999-00-011-8338
E-BNU	ON088400	1	5999-00-011-8328
E-BNV	ON088500	1	5999-00-011-8339
E-BNW	ON088510	1	5999-00-011-8340
E-BNX	ON088520	1	5999-00-011-8341
E-BNY/2 or	ON089599	1	5999-00-761-4708
E-FED	ON300309		5998-00-143-6914
E-CDN/1	ON089454	1	5810-00-563-2172

Appendix A to
ENCLOSURE (1)

MCO 2040.12

12 Jun 90

E-CDO	0N089360	1	5999-00-761-4706
E-ACA/2 or	0N089617	1	6130-01-016-9598
E-ACA/3	not avail.		not avail.
Tool Extrctr	0N089108	1	5999-00-938-5460

Appendix A to

ENCLOSURE (1)

1-A-3

SCHEDULE OF EVENTS

1. The following is a schedule for the major program events yet to occur.

<u>EVENT</u>	<u>FY</u>	<u>OTR</u>
Material Fielding Plan published	90	3
Equipment fielding begins: KIT-1C	90	3
KIR-1C	91	2
Initial Operating Capability (IOC): KIT-1C	90	3
KIR-1C	91	2
Final Operating Capability (FOC): KIT-1C	90	4
KIR-1C	92	3
Publications, Ready for Issue: KIR-1A & KIT-1A		NOW
KIR-1C & KIT-1C	91	2

Appendix B to
ENCLOSURE (1)

12 Jun 90

SHORTAGES

1. The only known shortages of equipment are the RIQ kits and the ST-21, which are available in limited quantities. They are no longer being procured and will no longer be available when current stocks are depleted.

Appendix C to
ENCLOSURE (1)

1-C-1

12 Jun 90

DISTRIBUTION SCHEDULE FOR INSTALLATION or MODIFICATION KITS

1. N/A. There are no installation or modification kits that are applicable.

Appendix D to
ENCLOSURE (1)

1-D-1

12 Jun 90

DISTRIBUTION SCHEDULE FOR SPECIAL PURPOSE TEST EQUIPMENT

1. TSEC/ST-21, TAMCN A8092, NSN 5810-00-127-2346

a. The ST-21 was fielded when the KIR-1A and KIT-1A were fielded. T/E authorized allowances were not established at that time but are currently in the process of being established.

b. There are a limited number of ST-21's available from the DCMS. The ST-21 is no longer procured and when current stocks are depleted it will no longer be available.

c. The ST-21 allowances are as follows:

<u>T/E NO.</u>	<u>UNIT TITLE</u>	<u>UNIT ALLOWANCE</u>	<u>ACTUAL ALLOWANCE</u>
7442	MCTSSA	1	1
7720	MCCES	15	15
A8633	MACS 3d MAW	1	1
B8633	MACS 1st MEB	1	1
N8612	MWCS 4th MAW	2	2
N8631	MACS 1st MAW	1	1
N8632	MACS 2d MAW	1	2
N8633	MACS 3d MAW	1	1
N8634	MACS 4th MAW	1	2
N8652	DET. MWCS, MAW	2	12

Appendix E to
ENCLOSURE (1)

MCO 2040.12

12 Jun 90

DISTRIBUTION SCHEDULE FOR PROVISIONING PROJECTS

N/A

Appendix F to
ENCLOSURE (1)

1-F-1